

QUILOSA PROFESSIONAL N 09

Neutral Silicone



Neutral curing, silicone rubber based sealant. Excellent adhesion, highly versatile, unaffected by water, sun, and in general, by the weather.



BENEFITS

- One component, room temperature vulcanising (RVT), easy application sealant.
- Its low modulus ensures minimal stress on the joint during its contraction and expansion process.
- Excellent adhesion, highly versatile, unaffected by water, sun, and in general, by the weather.
- It does not contract or crack.

RECOMMENDED USES

Sealing of joints in construction (static and expansion joint).

Sealing between frameworks and constructions surfaces and between frameworks.

Due to its neutral reticulation and low modulus, may be used for deformable and leakproofs joints between a wide range of materials with different dilation coefficients.

NORMS / ATESTS / CERTIFICATES

Mark CE

- EN 15651-1 F EXT-INT-CC / EN 15651-2 G-CC

Additional information

- "A + Certificate". Product with very low emissions. Determination of Volatile Organic Compounds according to ISO 16000.

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TABLES

Values of depth and width of joint, [mm]

WIDTH	5/6	7/9	10/12	12/15
DEPTH	5	6	7	8

TECHNICAL DATA

Appearance	Value
Homogeneous creamy paste	+
Uncured	Value
Slump resistance (ISO 7390) [mm]	0
Tack free (BS 3712) [min]	20-30
Skin over time (BS 5889 Ap.A) [min]	30-45
Curing rate (23°C and 55% h.r.) [mm/24h]	1-2
Application temperature [°C]	5 - 50
Cured, (4 weeks at 23°C and 55% H.R.)	Value
Similar to rubber	+
Shore A hardness (ISO 868)	14 ± 2
Elastic recovery (ISO 7389) [%]	93
Modulus 100% (ISO 37) [MPa]	0.37
Tensile strength at break, ISO 37 [MPa]	0.95
Elongation at break (ISO 37) [%]	400
Movement accommodation factor (ISO 9047) [%]	±20
Temperature resistance [°C]	-50 - +150
Chemical resistance	Value
Water, soapy water, brine	+++
Inorganic diluted acids and alkalis	++
Mineral oils and grease	++
Oil, fuel, hydrocarbons	++

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METHOD OF USE

Prior to application, read safety instruction presented in MSDS.

Surface preparation

- The surfaces must be clean and dry. If necessary, in addition to mechanical means, cleaning with non-grease solvent such as acetone is recommended. For joints that are to be subjected to major stress, we suggest the use of a primer, appropriate for each type of substrate:
- PRIMER C-27: For porous materials and general construction use. (See technical data).
- Cement slurries must be removed.
- The joint must have a width between > 5 mm and ≤ 35 mm. Their width must be at least 4 times greater than the maximum foreseen movement.
- The sealing depth will be chosen, depending on the width of the joint, in accordance with the Table "Values of depth and width of joint". Values given in mm.
- For joint widths greater than 16 mm depth must be one half of width.
- For the specific application of sealing expansion joints on facades and floors, the "width/depth" ratio will be 2:1, with a minimum sealing depth of 10 mm.
- A filler should be used in order to avoid adhesion of product to the bottom of the joint, this would exercise unnecessary tension on the sealant. Meanwhile, regulation of its depth is achieved as well as greater yield. The material to be used must be inert, mechanically stable, homogeneous, corrosion-resistant, and must not adhere to either the sealant or contiguous materials.
- A particularly recommendable product is closed-cell polyethylene foam, extruded in regular-section strips, such as our POLITEN-CEL.

Product preparation

- Cut off cap from adapter nipple.
- Screw the nozzle on the cartridge.
- Clip the tip of the nozzle to required opening.
- Insert it into applicator gun.

Application

- Fill in the appropriately treated joint with product.
- For a better finish, protect the edges of the joint with adhesive tape and smooth with a spatula, removing the tape before the sealant forms skin.

Works after completion of application

- Fresh product is easily removed with an organic solvent. When cured it can be removed by mechanical mean only.

Remarks / restriction

- With glass and enamels better results are obtained without primer.
- The product may not be painted or varnished.
- The following formula is an approximate guideline to calculate foreseen yield:
- Yield: $L = V / (A \times D)$, where, L = Length of sealant in metres obtained per container. V = Volume of the container. A = Width of the joint in mm. D = Depth of the joint in mm.
- Any material not known by the user, from the point of view of adherence, must be previously tested or consult our Technical Department.

ADDITIONAL INFORMATION

It is not recommended for use on submerged joints, or in joints where physical abuse or abrasion are likely to occur.

Not suitable for joints in permanent immersion in water or other liquids.

It must not be used in joints subjected to traffic.

Due to possible compatibility problems, direct contact with the secondary sealing of insulating glass units (insulation) must be avoided.

Chemical Resistances: +++ Excellent / ++ Very Good / + Good / -- Very bad / - Bad / * Consult.

The information contained herein is offered in good faith based on Selena's research and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customer's tests to ensure that Selena's products are fully satisfactory for your specific applications. Selena's sole warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Selena FM S.A. specifically disclaims any other expressed or implied warranty of fitness for a particular purpose or merchantability. Selena disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent. Technical indications and data appearing in this brochure are based on our current knowledge and experience and we decline all responsibility for consequences derived from inadequate use. Therefore, our guarantee is limited exclusively to the quality of the product supplied. This technical information can be modified without notice. If necessary request it periodically.

TRANSPORT / STORAGE

Keep in a cool, dry place.

Store in its original closed package.

Shelf life: 16 months.

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Transport temperature	Foam transport period [days]
< -20°C	4
-19°C ÷ -10°C	7
-9°C ÷ -0°C	10

SAFETY AND HEALTH PRECAUTIONS

Keep out of reach of children.

While curing product splits off ketoxime. These vapours must not be inhaled for prolonged periods of time in high levels of concentration. Therefore, the working area should be well ventilated.

Due to possible irritation, all contact of the product with eyes or mucous areas must be avoided. If contact occur, rinse the affected area thoroughly with plenty of water and, if necessary, see a doctor.

Primers used contain solvents flammable at air temperature. Do not smoke or use unprotected flame near the working area. If eyes are splashed, rinse thoroughly with plenty of water, otherwise, see a doctor.

Use gloves. In case of splashing, wash with industrial detergent when the product is still fresh.

DO NOT WASH HANDS WITH SOLVENTS.

For more information request Safety Data Sheet.

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